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APPLICATION NO.	F	TLING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
10/531,963	04/19/2005		Andreas Reissner	10191/3816	8985	
26646	7590	03/31/2006		EXAMINER		
KENYON	& KENY	ON LLP	WOLFE JR, WILLIS RAY			
ONE BROADWAY NEW YORK, NY 10004			ART UNIT	PAPER NUMBER		
11211 1010	,			3747		

DATE MAILED: 03/31/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

		XV				
	Application No.	Applicant(s)				
Office A - 1' Occurrence	10/531,963	REISSNER ET AL.				
Office Action Summary	Examiner	Art Unit				
	Willis R. Wolfe, Jr.	3747				
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence address				
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period w - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be tin will apply and will expire SIX (6) MONTHS from cause the application to become ABANDONE	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on	_ •					
2a) This action is FINAL . 2b) ☑ This	☐ This action is FINAL . 2b) ☑ This action is non-final.					
	·					
closed in accordance with the practice under E	x parte Quayle, 1935 C.D. 11, 45	53 O.G. 213.				
Disposition of Claims						
4) ☐ Claim(s) 5-8 is/are pending in the application. 4a) Of the above claim(s) is/are withdray 5) ☐ Claim(s) is/are allowed. 6) ☐ Claim(s) 5-8 is/are rejected. 7) ☐ Claim(s) is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or						
Application Papers						
9) The specification is objected to by the Examine 10) The drawing(s) filed on is/are: a) acce Applicant may not request that any objection to the Replacement drawing sheet(s) including the correct 11) The oath or declaration is objected to by the Ex	epted or b) objected to by the I drawing(s) be held in abeyance. Sec ion is required if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).				
Priority under 35 U.S.C. § 119						
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of: 1. Certified copies of the priority documents 2. Certified copies of the priority documents 3. Copies of the certified copies of the prior application from the International Bureau * See the attached detailed Office action for a list	s have been received. s have been received in Applicati ity documents have been receive u (PCT Rule 17.2(a)).	on No ed in this National Stage				
Attachment(s) 1) Notice of References Cited (PTO-892) 2) Notice of Draftsperson's Patent Drawing Review (PTO-948) 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date 4/19/05.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

DETAILED ACTION

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

Claims 5-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Eller or Kumada in view of Grunwald et al. Eller or Kumada discloses the claimed invention except for utilization of a plurality of heating coils, one having a smaller diameter than the other. Grunwald et al teaches that it is known to provide a heating filament (33) with a plurality of coils (35,37) with the inner coil (35) having a smaller diameter than the outer coil (37) as set forth at column 2, lines 38-61. It would have been obvious to one having ordinary skill in the art at the time the invention was made to modify the of glow

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plug of Eller or Kumada by providing the heating filament be a plurality of heating coils, one having a smaller diameter than the other as taught by Grunwald et al in order to provide for a quicker, more concentrated heating of the glow plug. Further, it would have been an obvious matter of design for one having ordinary skill in the art at the time the invention was made to provide the inner and outer coils of the heating filament of Grunwald be wound in opposite directions since applicants has not disclosed that the particular wounding arrangement of the coils solves any stated problem or is for any particular purpose and it appears that the heating filament of Grunwald would perform equally well with such an arrangement.

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The reference of Kaczynski et al is cited to show a glow plug with heating and control filaments.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Willis R. Wolfe, Jr. whose telephone number is (571) 272-4855. The examiner can normally be reached on Tuesday, Wednesday and Friday (5:30 AM-4:00 PM).

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Henry C. Yuen can be reached on (571) 272-4856. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Willis R. Wolfe, Jr.
Primary Examiner
Art Unit 3747

WRW March 29, 2006